

**INTERNATIONAL SEARCH REPORT**

International application No. PCT/US04/34633
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**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G01N 33/53, 21/76, 33/533, 33/552, 33/548; C07C 211/64.  
US CL : 435/7.2, 7.1; 436/172, 526, 527, 529; 564/282

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 435/7.2, 7.1; 436/172, 526, 527, 529; 564/282

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,695,946 (Benjamin et al.) 9 December, 1997; especially abstract; column 3, lines 25-36; column 4, lines 53-64; column 10, lines 5-26	1-11 and 13-28
A	US 5,294,537 (Batt) 15 March 1994, especially claims 7-8 and 10-14.	1-9 and 13-26
A	US 6,228,606 B1 (Facon et al.) 08 May 2001; especially claims 1-8.	1, 8-9 and 25-26
A	US 6,203,996 B1 (Duffy et al.), 20 March 2001; especially claims 1-11.	1-7
Y	US 6,355,449 B1 (Chen et al.) 12 March 2002; especially abstract, column 3, lines 40-65; column 11, lines 14-18 and claims 1-3.	1-29
Y	US 6,586,190 B1 (Bronstein et al.) 01 July 2003; especially abstract; column 5, lines 30-60; column 6, lines 1-62; column 7, lines 1-67; column 12, lines 51-63; column 13, lines 1-67; column 14, lines 1-67 and compound (III) and column 19, lines 17-53.	1-29
Y	US 5648227 (Basboll) 15 July 1997, column 9, lines 15-20	1-29

Further documents are listed in the continuation of Box C.

See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"R" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

22 April 2005 (22.04.2005)

Date of mailing of the International search report

12 MAY 2005

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**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US04/34633

**Continuation of B. FIELDS SEARCHED Item 3:**

**APS, CAPLUS**

**Search terms: structure search, detect?, identif?, listeria, antibody, surface, particle, beads, luminescen?, fluorescen?, substrate glucosidase, quaternary ammonium.**